What is claimed is:

1. A process for disintegrating compressed bales of material comprising:

a bale disintegration station having a conveyor;

a material separation station;

a bale disintegration device disposed to receive a bale from said conveyor and to feed disintegrated material and foreign objects to said material separation station;

a suction system disposed in relation to said material separation station to remove disintegrated material from said material separation station and transport the disintegrated material through a material outlet; and

an auger disposed in relation to said material separation station such that foreign objects are transported to a contaminate outlet.

2. The process according to Claim 1, wherein said bale disintegration device is a beater roll.

3. The process according to Claim 1, wherein the intensity of the suction of said suction system is selectively variable.

4. The process according to Claim 3 wherein the intensity of the suction of said suction system is selectively variable by controlling the position of the suction system relative to said auger.

5. The process according to Claim 3 wherein the intensity of the suction of said suction system is selectively variable by controlling the blower of the suction system.

6. The process according to Claim 1 wherein said auger is at the point of reversal of the conveyor belt.

7. The process according to Claim 1 wherein said suction system is placed above said auger.

8. The process according to Claim 1 wherein said material outlet of the suction system is connected to a further processing apparatus for further processing the disintegrated materials.

9. The process according to Claim 1 wherein said suction system is adjustable in relation to the feeding and collecting auger.

10. The process according to Claim 1 wherein said material outlet includes a discharge chute.

11. The process according to Claim 1 wherein the compressed bales of material are straw bales.

12. The process according to Claim 1 wherein the compressed bales of material are coarse fiber-like materials.

13. The process according to Claim 1 wherein the compressed bales of material are synthetic materials.

14. The process according to Claim 1 wherein the compressed bales of material are natural materials.

15. The process according to Claim 1 wherein the material is discharged from said material outlet as an anti-erosion mat.